

RAUPANEL™

Radiant Heating System

Innovative Radiant System Offers High Performance

REHAU's RAUPANEL radiant heating system is designed to provide rapid response, optimal performance, and ease of installation. This patented low profile system is an excellent alternative to joist heating and poured thermal mass applications.

Ideal for retrofit and new construction applications, the RAUPANEL system is lightweight, efficient and easy to install. Consisting of REHAU's 3/8" RAUPEX® cross-linked polyethylene (PEXa) pipe, aluminum panels and wood return bends, the system's low 5/8" profile reduces the impact on floor height modifications. And because it eliminates the overpour often used in radiant systems, less job site preparation and installation time are required.



- Low thermal mass equates to quicker response times, and limits setpoint overshoot.
- High thermal conductivity promotes even temperature distribution. Lower water temperatures may be used to achieve desired heat output.
- The larger inside diameter of 3/8" RAUPEX pipe (as compared to 5/16" pipe) provides superior flow and heat delivery characteristics.
- Flexible pipe spacing (6" or 8" on-center) makes the system well suited for a variety of installations, and heat load requirements.
- Compatible with commonly used floor coverings.
- Can be installed in walls or ceilings for additional heat output.

System Components



RAUPANEL

The aluminum RAUPANEL has a custom groove that allows pipe to be easily snapped into place, maintaining excellent thermal contact (no silicone or other filler is required).

Return Bends

Return bends are available in 6" and 8" on-center configurations for maximum installation flexibility. They are manufactured from construction-grade plywood, and pre-grooved for easy pipe installation.

Plywood furring strips are available for 8" on-center installations.

RAUPEX Pipe

The RAUPANEL system is designed to work with 3/8" RAUPEX O₂ Barrier pipe. RAUPEX is a durable, yet flexible, pipe with enhanced temperature capability, and long-term strength.

RAUPEX meets the requirements of ASTM F 876, F 877, CSA B 137.5 and PPI TR-3, and is certified to NSF Standard 14. Additionally, RAUPEX O₂ Barrier complies with the strict requirements of DIN 4726. Refer to the *RAUPEX Heating & Plumbing Systems Product Catalog* for additional information on RAUPEX pipe.

For updates to this publication, visit
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